CLAIMS

1. A mixing cartridge for single-lever mixing faucets, characterized in that it comprises a substantially cylindrical container (2) that accommodates a base disk (4), which is arranged proximate to one of the end faces of said container (2) and in which two intake ports (5,6) are provided that can be connected respectively to a cold water feed duct (43b) and to a hot water feed duct (43a), and a mixing disk (17), which is superimposed on said base disk (4) and is crossed by a mixing port (18), said mixing disk (17) being able to move with respect to said base disk (4), actuation means (20) being provided which are connected to said mixing disk (17) and can be actuated in order to vary the position of said mixing disk (17) and of said mixing port (18) with respect to said intake ports (5,6) and, accordingly, vary the degree of opening of said intake ports (5,6) or the ratio between the degrees of opening of said intake ports (5,6), said mixing port (18) being connected to a discharge duct (19) that exits from said container (2) at an end face of said container (2) that lies opposite said base disk (4).

2. The cartridge according to claim 1, characterized in that said base disk (4) and said mixing disk (17) are made of ceramic material.

3. The cartridge according to claim 1, characterized in that said base disk (4) and said mixing disk (17) are mutually slidingly coupled with one of their faces on a coupling plane that is substantially perpendicular to the axis of said container (2); said mixing disk (17) being able to move with respect to said base disk (4) along a direction that is parallel to said coupling plane in order to vary the degree of opening of said intake ports (5,6) and being able to rotate about an axis that is perpendicular to said coupling plane with respect to said base disk (4) in order to vary the ratio between the degrees of opening of said intake ports.

4. The cartridge according to one or more of the preceding claims, characterized in that said base disk (4) is detachably locked in said container (2) and in that said mixing disk (17) can move with respect to said base disk

(4) along said direction that is parallel to said coupling plane starting from a closed position, in which said mixing port (18) is spaced laterally with respect to said intake ports (5,6), to open positions, in which said mixing port (18) is at least partially superimposed on at least one of said intake ports (5,6).

5. The cartridge according to one or more of the preceding claims, characterized in that said actuation means comprise a lever (20) that is pivoted to said container (2) about a pivoting axis (21) that is parallel to said coupling plane and is connected to said mixing disk (17), said lever (20) being able to rotate with respect to said container (2) about said pivoting axis (21) for the translational motion of said mixing disk (17) with respect to said base disk (4) and about the axis (2a) of said container (2) for the rotation of said mixing disk (17) with respect to said base disk (4).

6. The cartridge according to one or more of the preceding claims, characterized in that said lever (20) rotatably engages in a seat (24) formed on the face of said mixing disk (17) that lies opposite said base disk (4).

7. The cartridge according to one or more of the preceding claims, characterized in that said lever (20), when said mixing disk (17) is in said closed position, is arranged coaxially to said container (2) for a free rotation of said lever (20) about the axis (2a) of said container (2) with respect to said mixing disk (17).

8. The cartridge according to one or more of the preceding claims, characterized in that said lever (20) is fixed with one of its ends to a shaft (22) whose axis coincides with said pivoting axis (21), said shaft (22) being supported so as to be rotatable about its own axis (21) by said container (2) and protruding with the axial ends thereof from said container (2) through passages (23a, 23b) that lie in an arc-like shape configuration on the lateral surface of said container (2) in order to allow the rotation of said shaft (22) about the axis (2a) of said container (2) with respect to said container (2).

9. The cartridge according to one or more of the preceding claims,

characterized in that a grille-like plate (25) is arranged along said discharge duct (19) inside said container (2).

10. The cartridge according to one or more of the preceding claims, characterized in that said container (2) has an end face that is closed by a cover (3) that is crossed by two holes (11,12) that can be connected to the water feed ducts and are connected to said intake ports (5,6) formed in said base disk (4), said base disk (4) resting on said cover (3) with a face thereof lying opposite with respect to said mixing disk (17).

11. A single-lever mixing faucet, comprising a body (40) in which a cavity (42) is provided that is connected to a cold water feed duct (43b) and to a hot water feed duct (43a) and to a dispensing duct (45), characterized in that said cavity (42) accommodates a mixing cartridge (1) according to one or more of the preceding claims, in which the intake ports (5,6) of said base disk (4) are connected to said water feed ducts (43a,43b) and said discharge duct (19) is connected to said dispensing duct (45).